

crete mix temperature at the time of mixing is less than 80°F., and if the mixed concrete meets the specified requirements for maximum water content and air content when discharged at the site of the work. The mix must be completely discharged within the 90 minutes. Addition of water to concrete will not be permitted after the 60-minute time limit.

SECTION 804 CEMENT AND LIME

804.01 CEMENT.

Cement shall meet the following:

Type	Specifications
Portland Cement	AASHTO M-85
Blended Hydraulic Cement	AASHTO M-240

Cement shall be stored and protected against dampness and contamination. Cement which has become partially set or which contains lumps or caked cement shall not be used.

804.02 LIME.

Hydrated lime shall meet AASHTO M-216.

SECTION 806 GROUTS AND MORTAR

806.01 RAPID-HARDENING CEMENTITIOUS MATERIALS.

This material shall meet ASTM C-928. If no type is specified, the material shall meet Type R1.

806.02 EPOXY RESIN ADHESIVES.

This material shall meet AASHTO M-235 Type IV Grade III.

SECTION 808 CONCRETE ADMIXTURES

808.01 AIR-ENTRAINING ADMIXTURES.

Air-entraining admixtures shall meet AASHTO M-154.

808.02 CHEMICAL ADMIXTURES.

Chemical Admixtures shall meet AASHTO M-194.

SECTION 810 CONCRETE CURING MATERIALS

810.01 CURING MATERIALS.

Curing materials shall meet the following:

Burlap Cloth made from Jute or Kenaf AASHTO M-182
 Liquid-Membrane-Forming Compounds,
 White Pigmented, Type 2 AASHTO M-148

Geotextile Fabric. The Geotextile fabric shall be a highly absorbent fabric made from a light colored, nonwoven material that weighs a minimum of eight ounces per square yard.

SECTION 812 WATER

812.01 WATER.

Water used in mixing or curing concrete, cement-treated bases, lime-treated bases, and fly ash treated bases shall be clean and free of oil, acid, alkali, organic matter, and other substances damaging to the finished product. Water will be tested according to AASHTO T-26. Water known to be of potable quality may be used without testing. Where the source of water is relatively shallow, the intake shall be enclosed to exclude silt, mud, grass, or other foreign materials.

When water used for mixing with Portland Cement has a pH value less than 4.5 or more than 8.5, the water shall be tested by casting and testing mortar cubes according to AASHTO T-106. The 7-day compressive strengths shall equal at least 90% of the companion test specimens made using distilled water.

The water must also meet the autoclave expansion and time of setting tests criteria given in AASHTO T-26.